# (19) World Intellectual Property Organization International Bureau





### (43) International Publication Date 26 May 2005 (26.05.2005)

#### **PCT**

## (10) International Publication Number WO 2005/047524 A2

(51) International Patent Classification7:

C12Q

(21) International Application Number:

PCT/US2004/037686

(22) International Filing Date:

10 November 2004 (10.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/518,947

10 November 2003 (10.11.2003) US

(71) Applicant (for all designated States except US): THE SCRIPPS RESEARCH INSTITUTE [US/US]; 10550 North Torrey Pines Road, La Jolla, CA 92037 (US).

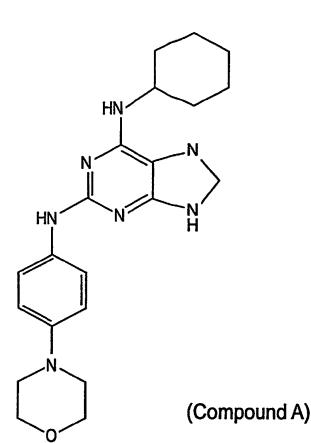
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CHEN, Shuibing

[CN/US]; 7693 Palmilla Drive, Apt. 2210, San Diego, CA 92122 (US). **DING, Sheng** [CN/US]; 8465 Regents Road, Apt. 264, San Diego, CA 92122 (US). **SCHULTZ, Peter, G.** [US/US]; 1650 La Jolla Rancho Road, La Jolla, CA 92037 (US).

- (74) Agents: FANG, Carol, A. et al.; Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

[Continued on next page]

(54) Title: COMPOSITIONS AND METHODS FOR INDUCING CELL DEDIFFERENTIATION



(57) Abstract: The present invention provides compositions and methods for dedifferentiating lineage committed mammalian cells.

### WO 2005/047524 A2



(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.